

KOVAL'SKIY, V. V.

PA 36T5

UESR/Chemistry - Glycogen Chemistry - Chromatography

Nov 1947

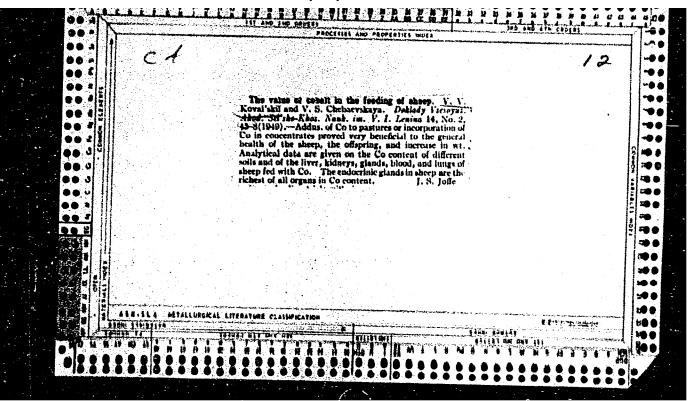
"Chromatographic Analysis of Glycogens," V. V. Koval'skiy, Laboratory of Physiological Chemistry, Academy of Sciences of the USSR, 3 pp

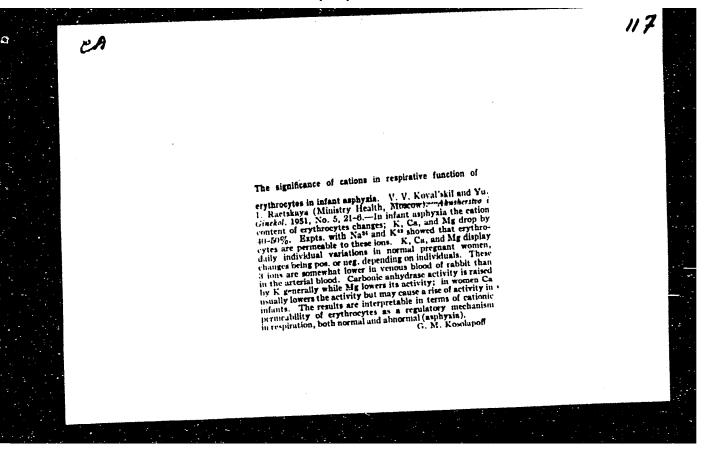
"Dok Ak Nauk" Vol LVIII, No 6

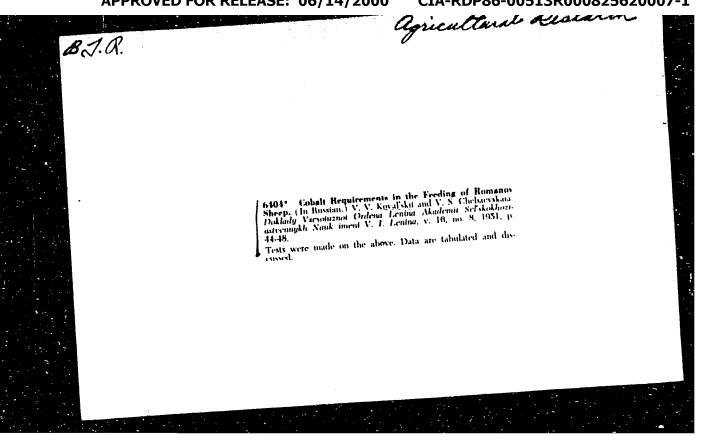
Discusses experiments conducted on chromatographic analysis of glycogens by means of a freshly prepared potassium carbonate, which appeared to be a better absorbent for this experiment. A total of 218 tests were conducted. Author gives the conclusions which were obtained in the majority of the tests. Submitted by Academician Ya. O. Parnas 29 May 1947.

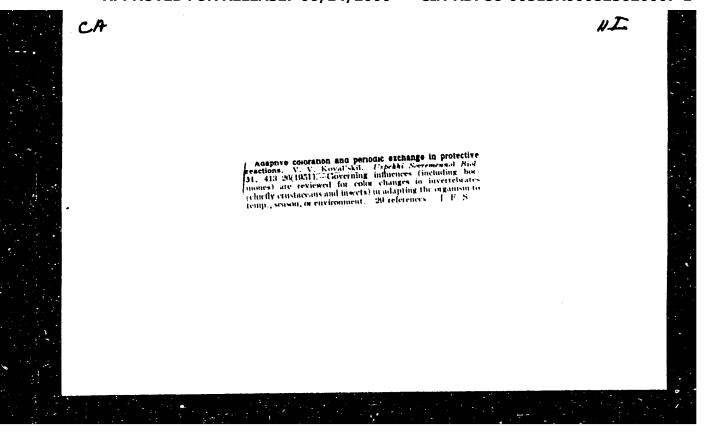
3615

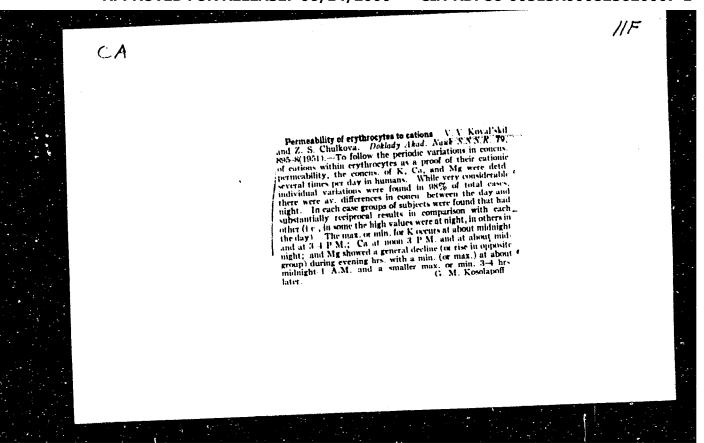
	KOVAL'SKIY,	V. V.					PA 3/4	9 T 75	
The second of th		3/1984/5	form a group of glycogen-type polysaccharides. Submitted 12 Jul 47.	Than / Medicine - Glycogens (Contd) Mar/Apr 48	Reports examination of various glycogens by subject method, using freshly precipitated potassium carbonate as an adsorbent, Chromatograms obtained vary considerably, even for liver and muscle of same animal; they also alter with seasons. Considera glycogen may be regarded as biological concept subracing mixture of separate substances which	"Biokhimiya" Vol XIII, No 2	"Study of Glycogens by the Method of Chromatographic Adsorption," V. V. Koval'skiy, Physiol Chem Lab, Acad Sci USSR, 6 pp	USSR/Medicine - Glycogens Chemistry - Chrometography Mar/Apr 48	
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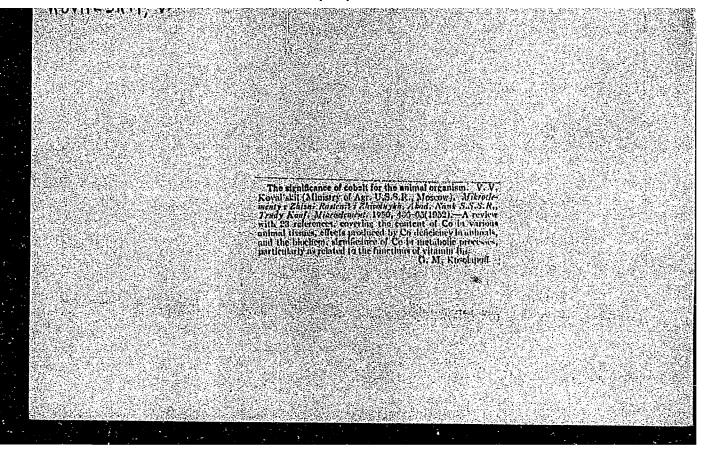












PADUCHEVA, A. L.; KOVAL'SKIY, V. V.

Karakul Sheep - Ukraine

Seasonal anemia of karakul breeding ewes as they are raised in southern Ukraine, Kar. i zver, 5, no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

- 1. KOVALISKIY, V. V.
- 2. USSR (600)
- 4. Physicological Chemistry
- 7. Contemporary achievements in studying the physicological role of microelements. Trudy VIZh 20: 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

KOVAL'SKIT, V. V;CHESAYEVSKATA, V. S.

Distribution of cobalt in blood. Usp. sovrem biol. 33 no.2:317-318 Mar-Apr 1952. (CIML 22:2)

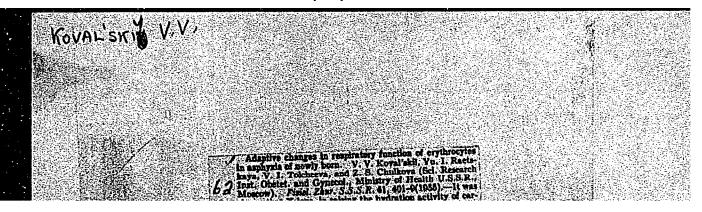
1. Moscow.

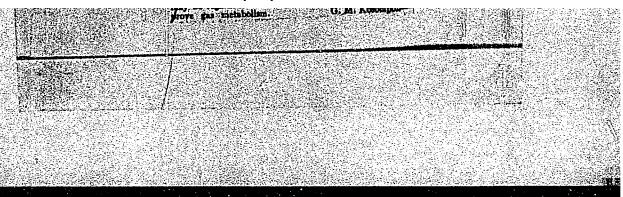
KOVAL'SKIY, V.V., professor.

Chemistry of life. Znan.sila no.10:11-14 0 '53. (MLRA 6:10)
(Biochemistry)

KOVALISKIY, V.	1.	Eriemer Seviewer	of of '18 says 27376	mistry ir he t and bio- Acc and		273T6
		<pre>Gy - Biogeochemistry A.O. Voynar's Book 'Biologicheskaya lementov v Organizme Zhivotnykh 1 (The Biological Role of Trace Elements and Human Organisms)," (V.V. Koval'skiy)</pre>	Usp Sov Biol, Vol 36, No 3(6), pp 395-398. The reviewer first briefly surveys the field of biogeochemistry, then gives a short summary of the book and, finally, criticizes the author's treatment of several incidental matters. He sather the author gives a true picture of the that the author gives a true picture of the	the fraction of the fraction o		
		recchemistry mar's Book 'Biologiches v Organizme Zhivotnykh slogical Role of Trace I organisms)," (V.V. Ko	Usp Sov Biol, Vol 36, No 3(6), pp 395-398. The reviewer first briefly surveys the field biogeochemistry, then gives a short summary the book and, finally, criticizes the author treatment of several incidental matters. He treatment of several incidental matters He that the author gives a true picture of the	present state and development of the bloches and physiology of trace elements and of the significance in agriculture and biology. The book is divided into 18 chapters. The first are on theory and the remainder on the geochemistry of the various trace elements. geochemistry of the various trace elements to the reviewer, the book is well written to the used as a handbook on the subject.		
		JSSR/Biology - Biogeochemistry "Review of A.O. Voynar's Book 'B Rol'mikroelementov v Organizme Z Cheloveka' (The Biological Role in Animal and Human Organisms), reviewer)	fo 3(6), ifly surgives a critical acidenta	present state and development of the sand physiology of trace elements a significance in agriculture and bistook is divided into 18 chapters. I ast are on theory and the remaind geochemistry of the various trace geochemistry of the various trace to the reviewer, the book is well to the used as a handbook on the san be used as a		
		USSR/Biology - Biogeochemistry "Review of A.O. Voynar's Book Rol'mikroelementow w Organizme Cheloveka' (The Biological Rol in Animal and Human Organisms) reviewer)	of 36, No ret brief, then giveral inc gives a			
		JSSR/Biology - Biog "Review of A.O. Voy Rol'mikroelementow Cheloveka' (The Biography and Human in Animal and Human reviewer)	Biol, Voewer firemistry, and, fir of sevitor.	present state and and physiology of significance in a book is divided in last are on theory geochemistry of the treviewer, to the reviewer, can be used as a		
		"Review of Rol'mikroe Cheloveka in Animal	Isp Sov B The revie biogeoche the book treatment	present and phy signifi book is last ar geochem geochem	÷	

USSR/Blology - Cell material Card 1/1 Pub. 86 - 2/40 Authors Koval'skly, V. V., Frof. Title -The importance in stock raising of the presence in the organism of minute quantities of certain elements Periodical : Priroda 43/4, 11-20, Apr 1954 Abstract Besides the C, N, O, H, K, Na, Ca, Mg, Fe, Cl, P, and S, which form the bulk of plant or animal tissue, the author finds some fifty other elements which enter into the composition of the cells in extremely minute proportions. Particularly important for maintaining a healthy condition are the elements, copper, cobalt, zinc, manganese, iodine, fluorine, silicon and bromine. A study of the vitamins shows a connection with certain metals. For instance, the presence of manganese is connected with the accumulation of vitamin B in rice. Certain healthy conditions in live stock are traced to the absence of cobalt Institution: Submitted:





KOVAL'SKIV, V.V.

USSR/Biology - Biochemistry

Card 1/1

Pub. 22 - 26/47

Authors

Koval'skiy, V. V., and Rayetskaya, Yu. I.

Title

Synthesis of ${
m B}_{12}$ vitamin in the organism of sheep under the effect of Co

and Ca

Periodical t

Dok. AN SSSR 100/6, 1131-1134, Feb 21, 1955

Abstract

The synthesis of B₁₂ blood-producing-vitamins in organisms of sheep rais-red in provinces poor in Co by enriching the food with Co and Ca salts was investigated. The results obtained are tabulated. Three USSR re-

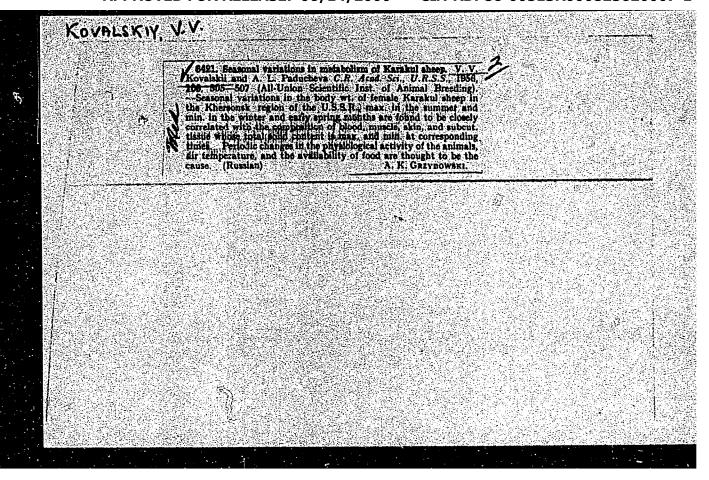
ferences (1949-1954). Tables.

Institution:

Academy of Sciences USSR, The V. I. Vernadskiy Institute of Geochemistry and Analytical Chemistry and the All Union Institute of Animal Breeding

Presented by:

Academician A. P. Vinogradov, October 22, 1954



KOVAL'SKIY, VIKTOR VLADISCAVOVICH

KOVAL'SKIY, Viktor Vladislavovich; STAROSTKNKOVA; N.M., redaktor; GOBIN, M.I., teknnicheskiy redaktor.

[The role of microelements in the life of animals in different zones of the U.S.S.R.] Rol' mikroelementov v zhizni zhivotnykh v razlichnykh zonakh SSSR. Moskva, Izd-vo "Znanie," 1957. 39 p. (Vsesciuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.8, no.39) (MIRA 10:11)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina. (for Koval'skiy).

(Trace elements) (Stock and stockbreeding)

KOVAL'SKIY, V.V.

26-10-7/44

AUTHORS:

Alimarin, I.P. and Saukov, A.A., Corresponding Members of the USSR Academy of Sciences and Baranov, V.I. and Koval'skiy, V.V., Professors

TITLE:

Problems of Contemporary Geochemistry (Problemy sovremennoy geo-khimii)

PERIODICAL:

Priroda, October 1957, No 10, pp 53-62 (USSR)

ABSTRACT:

The article deals with the activities of the Institute of Geochemistry and Analytical Chemistry Imeni V.I. Vernadskiy of the AN USSR (Moscow). Contemporary geochemistry researches the distribution and reactions of chemical elements in the various strata of our planet, the origin and absolute age of rocks and deposits and the migration and concentration of elements under the influence of organisms. This young science is closely related to its initiators, Academicians V.I. Vernadskiy and A.E. Fersman. The Institute has 12 laboratories in isotopes, radiochemistry, biogeochemistry, radiogeochemistry, rare elements, geochemistry of single elements, magmatogenic processes, mineralogical structures, organic reagents, spectral analyses, sedimentary rocks and crystallo-chemistry.

Card 1/2

KOVAL'SKIY V.V. PADUCHEVA, A.L., kandidat biologicheskikh nauk; SHRAYER,

Water metabolism in Karakul sheep and its seasonal characteristics.

Dokl.Akad.sel'khox.22 no.1:31-37 57. (MLRA 10:2)

1. Chlen-korrespondent Vsesoyuznoy akademii seliskokhozyaystvennykh nauk imeni Lenina (for Kovaliskiy). 2. Vsesoyuznyy nauchno-issledovateliskiy institut shivotnovodstva.

(Karakul sheep)

KOVAL'SKIY, V.V.; KAPNER, R.G.

Adaptational changes observed in certain dehydrases and arginase in animals following various types of feeding. Dokl. AN SSSR 112 no.5:905-908 F '57. (MLRA 10:4)

1. Vsesoyusnyy nauchno-isaledovatel'skiy institut shivotnovodstva. Predstavleno akademikom'L.A. Orbeli. (Arginase) (Dehydrogenases)

カンれい くんしん

AUTHOR TITLE

VINOGRADOV, A.P., Member of the Academy and KOVALISKIY, MEMORY The Biological Rôle of the K40 Radioactivity in Animals. 20-2-20/67 (Biologicheskaya rol' radioaktivnosti K40 u zhivotnykh - Russian)

(U.S.S.R.)

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 2, pp 315-318,

Received 6/1957

Reviewed 7/1957

ABSTRACT

PERIODICAL

In a former paper of the first mentioned author it was shown that the radioactivity of K40 does not play any part in the development and growth of a mould specimen Aspergillus niger. Only its chemical properties and concentration are of importance. It was generally concluded from this that this situation is also valid for all living organisms under normal conditions. But for animals this was still to be demonstrated. The isolated heart of a frog was used for a perfusion with Ringer's actuation, that is first with normal K, then concentrated K40 or K39. The number of concentractions of the heart per minute and the deflection were registered. The results showed that only the potash as such led to some variations of the excitability of the heart, independedt of the application of K, K³⁹or K⁴⁰. Solutions with normal K and wi hout K served as controls. The results were correspondent to the former experiment. It follows from the experiment that the radioactivity of K40 is not responsible for the biological processes and chemical reactions, neither in the organism of the animals (especially in muscles) nor of the plants.

Card 1/2

MOVAL SALY, U.V.

AUTHOR: TITLE:

PADUCHEVA, A.L., KOVAL'SKIY, V.V., SHRAYER, B.S.

The Changes of Water Losses Due to Adaption in the Case of Karakul Sheep at Various Tmperatures and Scarce Watering.

(Prisposobitel'nyye izmeneniya "nechuvstvitel'nykh poter vody" u Karakul'skikh ovets v razlichnykh temperaturnykh usloviyakh

i pri pazrezhenii vodopoya, Russian)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 4, pp 923 - 926

(U.S.S.R.)

ABSTRACT:

The biochemical reactions and processes which develop in the organisms as a response to the influences of the environments and which guarantee its adaptation to these influences are an important physiological characteristic. They determine its viability under different conditions of existence. The water transformation by water evaporisation from the skin surface and from the respiratory organs is directly connected with the processes which are indispensable for the balance of heat economy, that is, for securing a certain boundary area of temperature fluctuations in the interior of the body, characteristic of every kind of animals, which harmonize with the development of the vitally important processes. In the case of some kinds of animals which have only hardly developed sudiferous glands heat regulation at high temperatures is realized by fast breathing which intensifies water evaporation from the surface of the respiratory organs. For these animals the occurrence of a heat edema is typical.

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The Changes of Water Losses Due to Adaption in the Case of Karakul Sheep at Various Temperatures and Scarce Watering.

According to data, sheep are able to evaporate up to 100 g water per hour on a hot summary day, which secures about 50% loss of heat. In the region of Kherson the authors investigated the adaptation reactions of sheep to scarcity of water, which was effected by scarce watering (once every three days). This question is of interest in connection with the organization of the waterand pasture-household in scarcely irrigated pastures. The seasonal particularities in the course of a few phases of the water transformation were investigated, their relation to air temperature and the physiological condition of the sheep was ascertained, and a number of reactions of the organism on the restriction of water absorption was characterized. The determination of the quantity of exhaled water in the case of sheep on the pasture was carried out according to two methods: 1) Determination of exhaled water according to the volume of the breathing ventilation. A detailed formula is given for this purpose. 2) Determination of water secretion by its absorption from the exhaled air. This method makes it necessary to put on a gasmask which the sheep do not stand very well, and therefore mainly the first method was employed. Theresults of both methods are shown in the schedules 1 and 2. In the case of sheep which are watered as usual every day, the average exhaled quantity of water amounts 18 - 49 g/hour at

Card 2/3

KOVAL'SKIY, Viktor Vladislavovich; KARTASHEVA, N.M., red.; ANTOHOVA,

[Using tagged atoms in studying metabolism in farm animals]
Machenye atomy v izuchenii obmena veshchestv u sel'skokhoziaistvennykh zhivotnykh. Moskva, Izd-vo M-va sel'. khoz.
SSSR, 1958. 38 p. (MIRA 12:2)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Koval'skiy).

(Radioactive tracers) (Metabolism) (Veterinary research)

KOVALISKIY, V.V.

STEPANEIKO, B.N., prof., otvetstvennyy red.; MEYSEL', M.N., prof., otvetstvennyy red.; KOVAL'SKIY, V.V., prof., otvetstvennyy red.; BAYEV, A.A., kand.biol.nauk, red.; MEDVEDEVA, G.A, kand.biol.nauk, red.; TURPAYEV, T.M., kand.biol.nauk, redaktor; PASHKOVSKIY, Yu.A., redaktor izd-va; PRUSAKOVA, T.A., tekhn. red.

[Study of the animal organism; Fish culture; Food industry; proceedings of a conference] Izuchenie zhivotnogo organizma, Rybnoe khoziaistvo, Pishchevaia promyshlennost; trudy konverentsii. Hoskva, Izd-vo Akad. nauk SSSR, 1958. 263 p. (MIRA 11:5)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i izlucheniy v narodnom khozyaystve i nauke, 1957.

(Radioactive tracers)

KOVALISKIY, V.V., prof.

Significance of trace elements for the nutrition of man and farm animals. Biol. v shkole 6:70-77 N-D '58. (MIRA 11:11) (Trace elements) (Minerals in the body)

KOVAL'SKIY I'L

AUTHOR:

Koval'skiy, V.V., Professor (Moscow)

26-58-6-37/56

TITLE:

A Conference on the Biogeochemical Provinces of the USSR (Konferentsiya po biogeokhimicheskim provintsiyam SSSR)

PERIODICAL:

Priroda, 1958, Nr 6, p 111-112 (USSR)

ABSTRACT:

A conference on problems of biogeochemistry was convened at the Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo Akademii nauk SGSR (Institute of Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy of the USSR Academy of Sciences). There were 329 Soviet participants plus scientists from China, Poland and Rumania. The audience heard reports dealing with research on the variability of metabolism in organisms located in different biogeochemical provinces, i.e. abounding in microelements or lacking them. New facts were revealed about the content of microelements in soils, waters,

Card 1/1

plants and animal tissues in different zones of the USSR.

1. Biogeochemicals-Conference

KOVAL'SKIY, V.V.

Conference on the biogeochemical provinces of the U.S.S.R.
Biokhimiia 23 no.6:924-925 N-D '58 (MIRA 11:12)
(BIOCHEMISTRY)

KOVAL'SKIY, V.V.; RAMBIDI, M.I.

Effect of cobalt on carbohydrate metabolism in sheep. Dokl. Akad.sel'khoz. 23 no.11:29-33 '58. (MIRA 11:12)

1. Vsesoyuznyy nauchno-issledovatel skiy institut zhivotnovodstva.
2. Chlen-korrespondent Vsesoyuznoy akademii sel skokhozyaystvennykh nauk imeni V.I.Lenina (for Koval skiy).

(Sheep) (Carbohydrate metabolism)

AUTHOR:

Koval'skiy, V.Y. Professor

SOV-26-58-9-20/42

TITLE:

Geochemical Ecology (Geokhimicheskaya ekologiya)

PERIODICAL:

Priroda, 1958, Nr 9, pp 100-101 (USSR)

ABSTRACT:

When A.P. Vinogradov - basing his work on the biochemical explorations of V.I. Vernadskiy - coined the term "biochemical provinces" in 1936, he founded a new branch of ecology, that of geochemical ecology. Between 1944 and 1957, the Institute of Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy of the AS USSR in Moscow was engaged in investigating biochemical provinces. Azerbaijan is rich in cobalt which is also expressed in the vitamin B12 content of grazing food. Molybdenum-enriched soils were studied in Armenia in the mountain districts. Nickel contents in the soil were studied in North Kazakhstan. The decreasing copper content in fodder crops in the Dagestan province of the North Caucasus was studied together with an increase in the lead contents and expanding animal diseases.

Card 1/2

Geochemical Ecology

307-26-58-9-20/42

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR, Moskva (The Institute of Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy AS USSR, Moscow)

1. Geochemistry 2. Ecology—Applications

Card 2/2

KOVAL'SKIY, V.V.; GOLOLOBOV, A.D.

[Methods for determining trace elements in soils, plant and animal organisms] Metody opredeleniia mikroelementov v pochvakh, rastitel'nykh i zhivotnykh organizmakh. Moskva, Redaktsionno-izdatel'skii otdel VIZH, 1959. 137 p. (MIRA 13:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel skiy institut zhivotno-vodstva.

(Trace elements)

KOVALISKIY, V.V.; RAYETSKAYA, Yu.I.

Investigating the synthesis of vitamin B₁₂ with the help of radioactive cobalt Go⁶⁰. Dokl. Akad. sel'khoz. 24 no.11:31-36 '59 (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shivotnovodstva.

2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Koval'skiy).

(Cyanocabalamine) (Gobalt--Isotopes)



3 (5), 17 (2) . AUTHORS:

Koval'skiy, V. V., Letunova, S. V.

SOV/20-126-1-46/62

TITLE:

On the Rôle of Silt Microflora in the Cobalt Migration and the Adaptation of Microorganisms to the Medium in Biogeochemical Provinces With Different Cobalt Content (Znacheniye ilovoy mikroflory v migratsii kobal'ta i prisposobleniye

mikroorganizmov k srede v biogeokhimicheskikh provintsiyakh

s razlichnym soderzhaniyem kobal'ta)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 1,

pp 167-170 (USSR)

ABSTRACT:

It is known that Co forms an ingredient of the vitamin B12 which is synthesized only by microorganisms. It is therefore possible to observe from the cobalt content and from that of the mentioned vitamin in silts the extent of the cobalt participation in the biogenic migration. The aim of the present paper was the investigation of the rôle of the microflora of various natural waters in the cobalt migration in the biogeochemical provinces which have a) an excess of Co (the districts of Dastafyurskiy and Stepanakertskiy of the Azerbaydzhan SSR), b) with a Co-content which satisfies the

demand of the organisms (central czernozem region: Kursk),

Card 1/5

On the Rôle of Silt Microflora in the Cobalt SOV/20-126-1-46/62 Migration and the Adaptation of Microorganisms to the Medium in Biogeochemical Provinces With Different Cobalt Content

and c) with an insufficient Co-content (zone without black earth: regions of Yaroslavl' and Kostroma) (Ref 1). The authors determined the cobalt- and vitamin B_{12} -content in the silt deposits of 96 stagnant waters in the three mentioned provinces. This made it possible to calculate the quantity of silt cobalt related to this vitamin, furthermore the consumption percentage of the silt cobalt for the synthesis of the vitamin. This gives the degree of participation of the silt microflora in the cobalt migration. Table 1 shows that the rôle of this microflora (by means of a Co-inclusion in the vitamin B₁₂) is inconsiderable in all three biogeochemical provinces. The rôle of the silt microflora is not equal in the individual provinces. The participation of the microorganisms which live in silt poor in cobalt in the Co migration is double as active as that of microorganisms living in silt rich in cobalt. In silts poor in cobalt the latter is better exploited for the vitamin synthesis. Table 1 shows the rôle

Card 2/5

"APPROVED FOR RELEASE: 06/14/2000

On the Rôle of Silt Microflora in the Cobalt

Migration and the Adaptation of Microorganisms to the Medium in

Biogeochemical Provinces With Different Cobalt Content

of the aforesaid microflora in the cobalt migration in individual provinces. Table 2 gives the effect of different concentrations of cobalt chloride on the growth of microorganisms from silts of various provinces. Table 3 shows the effect of the same salt on the growth and on the formation of vitamin B₁₂ in the same provinces. The investigations showed that the silt microflora of the waters in the biogeochemical provinces with a differently high Co-enrichment has considerably varying physiological characteristics like the growthand synthesis capacity of the vitamin B₁₂. These properties depend under the given conditions on the Co-concentration. This variability is the basis of their adaptation to various Co-concentrations in the medium. The microorganisms living in the silts rich in cobalt are resistant to a high Coconcentration and develop well under such conditions, their synthesis of the vitamin B₁₂ is, however, inhibited in consequence of the suppression of this biochemical function

Card 3/5

.- On the Rôle of Silt Microflora in the Cobalt Migration and the Adaptation of Microorganisms to the Medium in SOV/20-126-1-46/62 Biogeochemical Provinces With Different Cobalt Content

by the Co-excess. This was proved experimentally in air by the artificial manuring with Co in small waters. The microorganisms living in silts poor in cobalt are not resistant to high Coconcentrations, synthesize, however, vitamin B well in the case of a reduced Co-content since they have a higher exploitation capacity of cobalt for these purposes. Thus

corresponding physiological forms exist in different biogeochemical provinces which are adapted to the growth and the synthesis of vitamin B₁₂ in a different way. There are 3 tables and 3 Soviet references.

ASSOCIATION:

Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo Akademii nauk SSSR (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy of the Academy of Sciences,

Card 4/5

On the Rôle of Silt Microflora in the Cobalt SOV/20-126-1-46/62 Migration and the Adaptation of Microorganisms to the Medium in Biogeochemical Provinces With Different Cobalt Content

PRESENTED: January 10, 1959, by A. P. Vinogradov, Academician

SUBMITTED: January 5, 1959

Card 5/5

PEYVE, Ya.V., glav. red.; ALIYEV, G.A., akademik, red.; ABUTALYBOV, M.G., prof., red.; BERZIN, YA.M. [Berzins,J.], akademik, red.; VINOGRA-DOV, A.P., akademik, red.; VINOGRA-R., akademik, red.; VOYNAR, A.O., prof., red.; DROBKOV, A.A., prof., red.; KATALYMOV, M.V., prof., red.; KOVAL'SKIY, V.V., red.; KOVDA, V.A., red.; KEDROV-ZIKHMAN,O.K., akademik, red.; LEONOV, V.A., akademik, red.; PETER-BURGSKIY, A.V., prof., red.; SINYAGIN, I.I., red.; CHERNOV, V.A., prof., red.; CHANISHVILI, Sh.F., red.; SHKOL'NIK, M.Ya., prof., red.; SHCHERBAKOV, A.P., kand. sel'khoz. nauk, red.; VENGRANOVICH, A., red.; DYMARSKAYA, O., red.; KLYAVINYA, A [Klavina, A.], tekhn. red.

[Use of trace elements in agriculture and medicine; transactions] Primenenie mikroelementov v sel'skom khoziaistve i meditsine; trudy. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1959. 706 p. (MIRA 14:12)

1. Vsesoyuznoye soveshchaniye po mikroelementam. 3d, Baku, 1958.

2. Chlen-korrespondent Akademii nauk SSSR (for Peyve, Kovda). 3. AN

Azerbaydzhanskoy SSR (for Aliyev). 4. AN Latviyskoy SSR (for Berzin).

5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina

(for Vlasyuk, Kedrov-Zikhman). 6. AN Belorusskoy SSR (for Leonov).

7. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh

nauk im. V.I.Lenina (for Sinyagin, Koval'skiy). 8. Chlen-korrespondent

AN Gruzinskoy SSR (for Chanishvili).

(Trace elements) (Biochemistry) (Agriculture)

KOVALISKIY, V.V.

Biogeochemical provinces of the U.S.S.R. and methods of studying them. Trudy Biogeokhim. lab. no.11:8-32 '60. (MIRA 14:5)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo (BIOCHEMISTRY) AN SSSR.

(GEOCHEMISTRY)

ROVAL'SKIY, V.V.; RAYETSKAYA, Yu.I.

Vitamin B₁₂ synthesis in the organs of farm animals in biogeochemical provinces with different cobalt concentrations. Trudy Biogeokhim. (MIRA 14:5) lab. no.11:102-108 '60.

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo AN SSSR. (GOBALT—PHYSIOLOGICAL EFFECT)

(CYANCOBALAMINE) (COBALT—PHYSIOLOGICAL EFFECT)
(VETERINARY PHYSIOLOGY)

KOVAL'SKIY, V.V.

Biogeochemical province of the Terek-Sulak-Kuma Lowland. Trudy Biogeokhim. lab. no.11:134-143 '60.

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo (ATAXIA) (DAGHESTAN_DEFICIENCY DISEASES IN SHEEP) AN SSSR.

(COPPER_PHYSIOLOGICAL EFFECT)

KOVÁLSZKÍJ, V.V. [Koval'skiy, V.V.]

Chemistry of life. Elet tud 15 no.24:747-750 12 Je '60.

KOVALSKY, V.V., (USSR)

"Geochemical Ecology of Amimals."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961.

KOVALSKIY, V.V., RYETSKAYA, YU.I. (USSR)

"Alteration of Purine Metabolism in Animals and Man in Molybdenum-Rich Bio cochemical Areas."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961.

KOVALSKY, V. V.. RYETSKAYA, YU. I., (USSR)

Synthesis of Vitamin B 12 in Animals in Various Biogeochemical Areas of the USSR.

report presented at the 5th Int'l.

Biochemistry Congress, Moscow, 10-16 Aug. 1961

KOVAL'SKIY, V.V.; YAROVAYA, G.A.; SHMAVONYAN, D.M.

Changes in the purine metabolism of man and animals under conditions prevailing in molydenum biogeochemical provinces. Zhur. ob. biol. (MIRA 14:5)
22 no.3:179-191 My-Je '61.

1. V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry,
U.S.S.R. Academy of Sciences.
(PURINE METABOLISM)
(ARMENIA—GOUT)

KOVAL'SKIY, V.V.; LETUNOVA, S.V. Role of phyto- and zooplankton in the migration of cobalt in bodies of water. Zool. zhur. 40 no.6:809-817 Je '61.

1. Institute of Geochemistry and Analytical Chemistry, U.S.S.R. 1. Institute of Green, Moscow.
Academy of Sciences, Moscow.
(Plankton)

(Cobalt)

KOVAL'SKIY, Y.V.

Biogeochemistry. Priroda 51 no.6:54-59 Je 162.

(MIRA 15:6)

1. Chlen-korrespondent Vsesoyuznoy sel'akokhozyaystvennoy akademii

im. V.I.Lenina.

(Trace elements) (Feeds)

KOVAL'SKIY, V.V., prof., red.; DMITROCHENKO, A.P., prof., red.; KARTASHEVA, N.M., red.; PROKOF'YEVA, L.N., tekhn.red.

[Trace elements in stockbreeding]Mikroelementy v zhivotno-vodstve. Pod obshchei red. V.V.Koval'skogo i A.P.Dmitro-chenko. Moskva, Sel'khozizdat, 1962. 141 p. (MIRA 15:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina. Otdeleniye zhivotnovodstva. 2. Chlenkorrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina i Biogeokhimicheskaya laboratoriya Instituta geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo Akademii nauk SSSR (for Koval'skiy). (Trace elements—Physiological effect) (Feeding)

Geochemical ecology. Vop. ekol. 4:37-38 '62. (MIRA 15:11)
(Ecology) (Trace elements)

KOVAL'SKIY, V.V.; SHAKHOVA, I.K.

Activity of the digestive enzymes of sheep under conditions of a biogeochemical boron province in northwestern Kazakhstan. Dokl. AN SSSR 146 no.4:967-970 0 '62. (MIRA 15:11)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR. Predstavleno akademikom

A.I. Oparinym.

(Kazakhstan—Sheep—Physiology) (Boron—Physiological effect) (Digestive enzymes)

KOVAL'SKIY, V.V.; REZAYEVA, L.T.; KOL'TSOV, G.V.

Trace element content in the organism and blood cells of ascidians.

Doki. AN SSSR 147 no.5:1215-1217 D 162. (MIRA 16:2)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR. Predstavleno akademikom A.P. Vinogradovym. (Trace elements in the body) (Tunicata)

MOVAL'SKIY, V.V. (Moskva)

Origin and evolution of the biosphere. Usp.sovr.biol. 55 no.1:
(MIRA 16:3)

45-67 Ja-F '63.
(BIOCHEMISTRY) (LIFE (BIOLOGY)) (GEOCHEMISTRY)

KOVAL'SKIY, V.V.; REZAYEVA, L.T.

Vanadium content in the blood of Ascidiella aspersa. Dokl. AN SSSR 148 no.1:238-240 Ja '63. (MIRA 16:2)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR. Predstavleno akademikom A.P. Vinogradovym. (Vanadium in the body) (Tunicata)

KOVAL'SKIY, V.V., prof.

"Biochemistry of lactation" by V.G. IAkovlev. Reviewed by V.V. Koval'skii. Vest. AN SSSR 33 no.11:137-139 N '63. (MIRA 17:1)

OPARIN, A.I., akademik; STUDITSKIY, A.N., prof.; NAUMOV, N.P., prof.; KOVAL'SKIY, V.V.; YUROVA, I.L., dots.; PLATONOV, G.V., prof.; KAĞANOV, V.M.; FURMAN, A.Ye., dots.; MEDVEDEV, N.V., prof.; YAKIMOV, V.P., kand. biol. nauk; ZHUKOV-VEREZHNIKOV, N.N.; BONDARENKO, P.P., prof.; MAYSKIY, I.N., prof.; TRIBULEV, G.P., dots.; TSAREGORODTSEV, G.I., dots.; DOBROKHVALOV, V.P., kand. biol. nauk; YAZDOVSKIY, V.I., prof.; VIKTOROVA, V., red.; CHEREMNYKH, I., mlad. red.; ULANOVA, L., tekhn.red.

[Studies on the dialectic of living nature] Ocherk dialektiki zhivoi prirody. Moskva, Sotsekgiz, 1963. 527 p. (MIRA 16:12)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Koval'skiy). 2. Deystvitel'nyy chlen AMN SSSR (for Zhukov-Verezhnikov). (Biology-Philosophy)

KOVAL'SKIY, V.V.; ROZHKOV, I.S., prof., otv. red.; DOROKHINA, I.N., tekhn. red.

[Kimberlites of Yakutia and the basic principles of their petrogenetic classification] Kimberlitovye porody Iakutii i osnovnye printsipy ikh petrogeneticheskoi klassifikatsii. Moskva, Izd-vo AN SSSR, 1963. 182 p. (MIRA 17:1)

1. Chlen-korrespondent AN SSSR (for Rozhkov).

KOVAL'SKIY, V.V.

Geochemical ecology and its evolutionary trends. Izv. AN SSSR. Ser. biol. no.6:830-851 N-D '63. (MIRA 17:2)

1. Institute of Geochemistry and Analytical Chemistry, Academy of Sciences of the U.S.S.R., Moscow.

KOVALSKIY . V.V.; LETUNOVA, S.V.

Adaptation of silt microflora to an artificial increase of the cobalt content of the natural habitat. Mikrociologiia 32 no.5: 850-855 S-0.63

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo AN SSSR.

KOVAL'SKIY, V.V.; LETUNOVA, S.V. (Moskva)

Effect of cobalt on micro-organisms and their adaptation to a

Effect of cobalt on micro-organisms and their adaptation to natural concentrations of cobalt in the environment. Usp. sovr.biol. 57 no. 1:71-89 Ja-F '64. (MIRA 17:5)

KOW/L'SKIY, V.V.; BLOKHINA, R.I. (Moskva)

Significance of cobalt in the pathogenesis of endemic enlargement of the thyroid gland in a biogeochemical area deficient in iodine and cobalt. Probl. endok. i gorm. 9 no.6:42-46 N-D 163.

(MIRA 17:11)

1. Iz laboratorii biogeokhimii Instituta geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo AN SSSR.

KOVAL'SKIY, V.V.; PETRUNINA, N.S.

Geochemical ecology and evolutionary variability of plants.

Dokl. AN SSSR 159 no.5:1175-1178 D '64 (MIRA 18:1)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vermadskogo AN SSSR. Predstavleno akademikom A.I. Oparinym.

KOVAL'SKIY, V.V.; YEGOROV, O.S.

Quantity of xenoliths in explosive kimberlite breccias and methods for their calculation. Geol. igeofiz. no.11:140-143 (MIRA 18:4)

1. Yakutskiy filial Sibirskogo otdeleniya AN SSSR.

KOVAL'SKIY, V,V,; VOROTNITSKAYA, I,Ye.

Biogenic migration of uranium in Issyk-Kul'. Geokhimia no.6:724-732 Je '65. (MIRA 18:7)

1. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.

KOVALISKIY, V.V., prof.; LETUNOVA, S.V.; KRYLOVA, R.V.; FARBEROV, V.G.

Cobalt in fish culture, biogenic migration of chemical elements in pends. Priroda 54 no.5:69-70 My 165. (MIRA 18:5)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR (Moskva).

KOVALISKIY, V.V.; LUTSKIY, D.Ya.

Constitutive and adaptive variations in the arginase of the liver of sheep showing different meat productivity. Dokl. AN SSSR 161 no.2:475-478 Mr 165. (MIRA 18:4)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR i Institut fiziologii i biokhimii zhivotnykh Vsesoyuznoy akademii sel¹skokhozyaystvennykh nauk im. V.I. Lenina. Submitted September 21, 1964.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825620007-1

KOVALISKIY, V.V., DITSKIY, P.Ya.

Synthesis of glutamic acid from K-ketoglutaric acid and ammonium carbonate in liver homogenates of sheep showing different meat productivity and kept under different protein content in rations.

Dokl. AN SSSR 163 no.3:758-760 Jl 165. (MIRA 18:7)

1. Institut geokhimii i analiticheskoy khimii im. V.I.Vernadskogo AN SSSR i Institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivetnykh Vsesoyuzzoy aksdemii sel'skokhozyaystvennykh nauk im. V.I. Lenina. Submitted September 21, 1964.

KOVALIBERY, V.V.; LUTSKIY, D.Yu.

Adaptive modifications of the equitains excle in sheep of different rout productivity and with reference to the different protein content in their food rations. Dokl. AN SSSR 163 no.411007-1010 Ag 165. (MIRA 18:8)

1. Institut geokhimii i eraliticheskoy Khimii in. V.I.Vernadskogo AN SCIR i Vnestycznyy institut fiziclogii i biokhimii seliskokhonyayatvennykh zhivotnykh Vsesayumnoy akademii seliskokhonyayatvennykh nauk im. V.I.Jenina. Submittad Denember 17, 1964.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825620007-1

KOVALISKIY, V.V.; BOROVIK-ROMANOVA, T.F.; LETUNOVA, S.V.; GINZBURG, Ye.O.

Come data on trace element content in microorganisms.
Mikrobiologiia 34 no.3:403-406 My-Je 65.

(MIRA 18:11)

1. Institut geckhimii i analiticheskoy khimii imeni V.I. Vernadskogo AN SSSR, Moskva.

KOVAL'SKIY, V.V.; KRYMOVA, R.V.; LETUNOVA, S.V., kend. biel. nauk

New data of the study of the regularity of the inclusion of cobalt into the biogenic migration in fishponds. Dokl. Akad. sel'khoz. nauk no.10:24-29 0 '65. (MTRA 18:12)

1. Institut geokhimii i analiticheskoy khimii V.I. Vernadskogo i Vsesoyuznyy nauchno-issledovatel'skiy institut prudovogo rybnogo khozyaystva. 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Koval'skiy).

5/196/62/000/012/009/016 E194/E155

AUTHOR:

Koval'skiy, V.Ya.

TITLE:

The optimum spectral characteristics of radiation

receivers

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,

no.12, 1962, 2, abstract 12 V12. (Svetotekhnika,

no.10, 1961, 24-27).

Instruments intended for measuring sources with TEXT: arbitrary distribution of radiant energy over a fairly wide spectral range should employ radiation receivers with inverted-U shaped spectral sensitivity curves. Otherwise the integral sensitivity of the receiver greatly depends on the spectral distribution of the energy source. Because of the difficulty of providing the recommended curves, each instrument should be used for only a limited group of sources. The spectral sensitivity of the receivers in these instruments should be selected so as to avoid appreciable change in the integral sensitivity, when the spectral composition of the radiation alters. The requirements

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The optimum spectral characteristics... S/196/62/000/012/009/016 E194/E155

applicable to such receivers are stated, particularly to those intended for measuring sources with a line spectrum and sources with mixed spectrum (fluorescent lamps).
5 illustrations. 3 references.

Abstractor's note: Complete translation.

Card 2/2

GELLER, Z.I.; MILOVA, N.A.; KOVAL'SKIY, Ye.V.

Evaporation and combustion of highly viscous crackingresidue droplets. Izv. vys. ucheb. zav.; neft' i gaz 2 no.6: 73-78 '59. (MIRA 12:10)

1. Groznenskiy neftyanoy institut. (Gracking process)

ASHIKHMIN, V.1.; KOVAL'SKIY, Ye.V.

Slide rule for thermocouples. Izv.tekh. no.2:20-21 F '60.
(MIHA 13:6)

(Slide rule)

GELLER, Z.I., doktor tekhn.nauk; KOVAL'SKIY, Ye.V., insh.

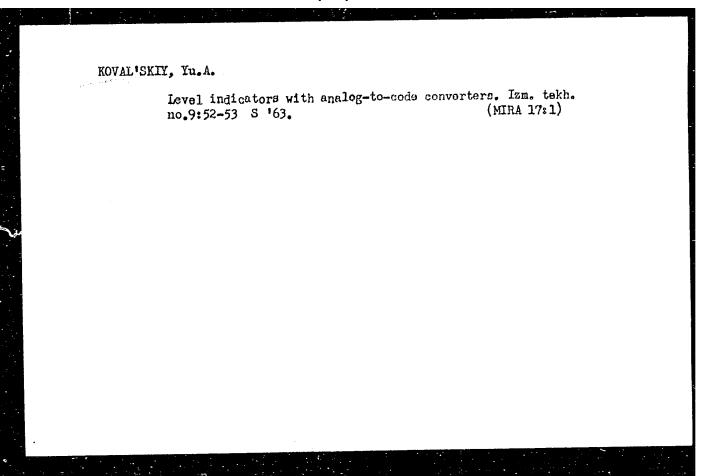
Use of the method of temperature waves for determining the thermal conductivity of steel. Izv. vys. ucheb. zav.; energ. 7 no.3: 111-113 Mr '64. (MIRA 17:4)

1. Groznenskiy neftyanoy institut. Predstavlena kafedroy teplotekhniki i gidravliki.

Automatic weight batching at asphalt-concrete plants. Priborostroenie no.1:31-32 Ja *61. (MIRA 14:1)

(Automatic control)

(Concrete plants—Equipment and supplies)



85897 s/048/60/024/011/033/036 B006/B060

9,7140

AUTHORS:

Mamonov, Ye. I. and Koval'skiy, Yu. M.

TITLE:

Semiconductor Units for the Automatic Control of Recording, Reading, and Reproduction of Information

by Means of Seignettoelectric Matrices

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,

Vol. 24, No. 11, pp. 1428 - 1431

TEXT: This is the reproduction of a lecture delivered at the Third Conference on Ferroelectricity which took place in Moscow from January 25 to 30, 1960. The authors describe circuits for the automatic control of events in electronic computers working with seignetto-electric matrices. The circuits discussed are shown in Figs. 1 and 2. Fig. 3 shows oscillograms of the effect of some control units (pole reversal of a static trigger; signals from one of the latest and one of the oldest discharges of the address register; pulse at the output of the reading and recording amplifiers), and Fig. 4 shows an outside

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Semiconductor Units for the Automatic Control of Recording, Reading, and Reproduction of Information by Means of Seignettoelectric Matrices

s/048/60/024/011/033/036 B006/B060

view of the whole apparatus. The authors thank I. S. Zheludev for assistance and advice, and B. N. Perekatov for cooperation. There are 4 figures and 1 Soviet reference.

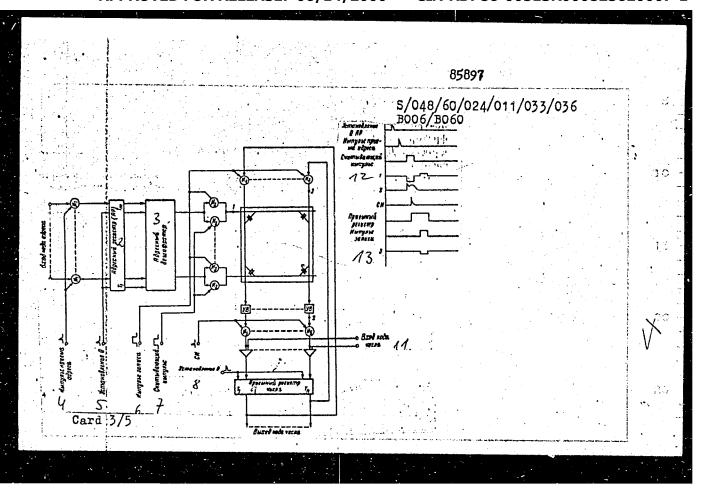
ASSOCIATION: Institut kristallografii Akademii nauk SSSR

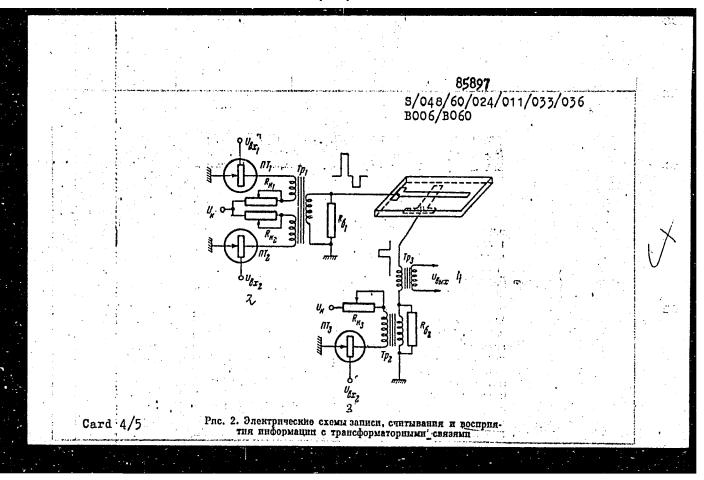
(Institute of Crystallography of the Academy of

Sciences USSR)

Card 2/5

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825620007-1





85897

S/048/60/024/011/033/036 B006/B060

Legend to Fig. 1: Block diagram of a two-dimensional apparatus for information storage with seignettoelectric matrix. (1) input of address code; (2) address register; (3) address decoder; (4) pulse of address reception; (5) 0 adjustment; (6) registering pulse; (7) reading pulse; (8) 0 adjustment; (9) digit receiving register; (10) output of digit code; (11) input of digit code; (12) pulse forms of (5), (4), and (7); (13) dto. in the receiving register and the registering pulse.

Legend to Fig. 2: Electric circuit of recording, reading, and perception of information with transformer couplings. IT and IT are transistors, Tp₁, Tp₂, and Tp₃ denote transformers, R₆, R₆ - resistors, R₇, R₇, R₈ - resistors, 1,2,3 - input voltages,

1 2 3



Card 5/5

AUTHORS: Mamonov, Ye. I. and Koval'skiy, Yu. M.

TAPPROVED FOR RELEASE? 08/147/2000 for CIA-RDP8 6: 60515 R0008256 20007-1

Source: Moscow. Inzhenerno-fizicheskiy institut. Vychislitel'naya tekhnika.

TEXT: A ferroelectric two-demensional memory matrix with readout by reversal of polarization (switching) is described. The control system comprises an address register (10 binary digits) in the form of a binary counter, a receiving register (32 digits) made up of static transistor flipflops, and write and read

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825620007-1

ress register (10 binary digits) in the form of a binary counter, a receiving register (32 digits) made up of static transistor flipflops, and write and read amplifiers. All are described in details. Oscillograms and pictures of a model designed for storage of 1024 32-digit words are presented. The system was checked with a variety of ferroelectric matrices and found satisfactory. There are 9 figures.

Card 1/1

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825620007-1

KOVAL'TSIK, T.L.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA

PA - 1679

AUTHOR KOVAL'CIK, T.L., MASLAKOVEC, JU.P.

TITLE The Influence exercised by Admixtures on the Electric Properties

of Lead Telluride.

PERIODICAL Zurn.techn.fis, 26, fasc.11, 2417-2431 (1956)

Issued: 12 / 1956

This work investigates the influence exercised by various admixtures on the character of the conductivity of a two-component compound and tries to set up rules (like in the case of germanium and silicon) for the occurrence of p- and n-conductivity. The PbTe examined had a cubic crystal lattice of the NaCl type. Measuring was carried out mainly on polycrystalline pressed samples (20 x 8 x 6 mm³) which were annealed at 500° C or also on monocrystals. The influence exercised by the excess lead and tellurium on thermoelectromotoric force and on the conductivity of lead telluride at room temperature is shown in a diagram. In the case of stoichiometrical composition, this PbTe has the electric conductivity $\sigma = 620 \text{ ohm}^{-1} \cdot \text{cm}^{-1}$ (which is caused by electrons), the thermoelectromotoric force α =-223 microvolts/° C (with respect to lead), and the concentration $n = 3,5.10^{18}$ of the electricity carriers. A sufficiently great surplus of tellurium makes lead telluride a semiconductor of the p-type. A surplus of lead increases the concentration of the free electrons only slightly. The high concentration of electrons in the lead telluride produced from a crude technical tellurium is due to the influence exercised by the

Zurn.techn.fis, 26, fasc.11, 2417-2431 (1956) CARD 2 / 2 PA - 1679 admixtures in not purified tellurium. If admixtures of lead bromide, lead chloride, or lead iodide are added to the purest form of lead telluride, transition to electronic conductivity does not occur, the semiconductor remains positive. Only a sufficiently large surplus of lead makes conductivity negative. The lead at first changes the sign of electromotoric force, reduces the latter, and increases the concentration of the negative electricity carriers up to such values as correspond to the concentration of the introduced bromide. A further addition of lead causes no change of the electric conductivity of the PbTe.

Next, the <u>influence exercised by various foreign admixtures on the properties</u> of lead telluride is discussed. On this occasion PbO, TeO₂, PbBr₂, Pt, Ni, Co, Fe, Ge, Sn, Mg, Nb, Bi, Bi₂Te₃, Ag, Cu, Au and thallium are mentioned.

<u>Discussion of results:</u> All admixtures can be subdivided into four groups according to the character of their influence upon the sign of the conductivity of lead telluride (at room temperature): 1.) Donor-like admixtures, as e.g. Cl, Br, J, Bi, Sb, Nb. 2.) Acceptor-like admixtures, as e.g. Ag and thallium.

3.) Admixtures exercising a similar effect as a surplus of lead (Sn, Ge, Ti, Ni, Co, Fe, Pt, Mg). 4.) Admixtures which are analogous to tellurium (Se, S and O).

INSTITUTION:

sov/81-60-2-4029

Translation from: Referativnyy zhurnal, Khimiya, 1960, Nr 2, p 65 (USSR)

Aleskovskiy, V.B., Koval'tsov, V.A., Petrov, V.V., Tsyplyatnikov, G.P. AUTHORS:

Investigation of the Flameless Burning of Hydrogen on a Platinum-Platino-TITLE:

Iridium Thermocouple

100

Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1958, Nr 48, pp 219 - 226 PERIODICAL:

The flameless burning of H2 on the surface of the junction of a Pt-Pt-Ir ABSTRACT:

thermocouple was investigated. The thermocouple was placed into a H2 jet flowing from a pipe surrounded by an oxygen-containing mixture. The current value of the catalytic activity of the thermocouple $A_t = E_t/c$, where E_t is the current value of the thermal emf, c is the O_2 concentration. The value $a = A^{\dagger}A$, where A corresponds to the final data of the

experiment, determines the degree of activation in a given moment; a increases with time. In the case of constant 02 consumption and variable

H2 consumption the thermal emf passes through a maximum at stoichiometrie Card 1/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825620007-1

ALESKOVSKIY, V.B.; KOVAL'TSOV, V.A.; PETROV, V.V.; TSYPLYATNIKOV, G.P.

Investigation of flameless hydrogen burning on platinum platinumirridium thermocouple. Trudy LTI no.48:219-226 '58. (MIRA 15:4) (Hydrogen) (Combustion) (Thermocouples)

ALESKOVSKIY, V. B.; KOVAL'TSOV, V. A.; FEDOROV, I. N.; TSYPLYATNIKOV, G. P.

Continuous automatic determination of oxygen in water. Zav. lab. 28 no.12:1440-1442 '62. (MIRA 16:1)

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta.

(Oxygen-Analysis) (Water-Analysis)

KOVALITSOV, Viktor Akimovich; ALESKOVSKIY, Valentin Borisovich;
TOMARCHENKO, S.L., red.; LEVIN, S.S., tekhn. red.

[Determination of oxygen dissolved in water] Opredelenie rasvtorennogo v vode kisloroda. Leningrad, Goskhimizdat, 1961. 51 p. (MIRA 16:6)

(Oxygen--Analysis) (Feed water)

ALEKSKOVSKIY, V.B.; KOVALITSOV, V.A.; FEDOROV, I.N.; TSYPLYATHIKOV, G.P.

Automatic analyzer for determining oxygen in water. Zav. lab. 30 no.1:105-107 '64. (MIRA 17:9)

1. Leningradskiy tékhnologicheskiy institut imeni Lensoveta.

KOVAL'TSCV. V.A.: KONOVALOV, G.S.

ions in vater. Gidrokhim. mat. 37:118-124 154. (MIRA 18:4)

1. Gidrokhimicheskiy institut Glavnogo upravleniya gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR, Novecherkassk.

ALESKOVSKIY, V.B.; KOVAL'TSOV, V.A.; TSYPLYATNIKOV, G.P.

New method for determining oxygen content in water. Vodopod., vod. rezh. i khimkont. na parosil. ust. no.1:156-160 164.

(MIRA 18:2)

1. Leningradskiy ordena Trudovogo Krasnogo Znameni tekhnologi-cheskiy institut imeni Lensoveta.

GALRISHOVA, N.N., studentka V.kursa; GOLOVKO, G.N.. student V kursa; KOVAL TSOVA, V.S., student V kursa; POPENKO T.V., studentka V kursa; RUSTAMOV, T.,,student V.kursa

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